

## STATE OF SOUTH CAROLINA

(Caption of Case)

Monthly Fuel Report and Baseload Power Plant  
Performance Report for June 2008

BEFORE THE  
PUBLIC SERVICE COMMISSION  
OF SOUTH CAROLINA

## COVER SHEET

DOCKET

NUMBER: 1989 - 9 - E

(Please type or print)

Submitted by: Catherine E. HeigelSC Bar Number: 9268Address: Duke Energy CorporationTelephone: 704.382.8123P O Box 1006 / EC03TFax: 704.382.5690Charlotte, NC 28201-1006

Other: \_\_\_\_\_

Email: ceheigel@duke-energy.com

NOTE: The cover sheet and information contained herein neither replaces nor supplements the filing and service of pleadings or other papers as required by law. This form is required for use by the Public Service Commission of South Carolina for the purpose of docketing and must be filled out completely.

## DOCKETING INFORMATION (Check all that apply)

☐ Emergency Relief demanded in petition ☐ Request for item to be placed on Commission's Agenda expeditiously

☒ Other: \_\_\_\_\_

## INDUSTRY (Check one)

## NATURE OF ACTION (Check all that apply)

- |  |  |  |   |
|--|--|--|---|
| <input checked="" type="checkbox"/> Electric         | <input type="checkbox"/> Affidavit                 | <input type="checkbox"/> Letter                            | <input type="checkbox"/> Request                  |
| <input type="checkbox"/> Electric/Gas                | <input type="checkbox"/> Agreement                 | <input type="checkbox"/> Memorandum                        | <input type="checkbox"/> Request for Certificatio |
| <input type="checkbox"/> Electric/Telecommunications | <input type="checkbox"/> Answer                    | <input type="checkbox"/> Motion                            | <input type="checkbox"/> Request for Investigator |
| <input type="checkbox"/> Electric/Water              | <input type="checkbox"/> Appellate Review          | <input type="checkbox"/> Objection                         | <input type="checkbox"/> Resale Agreement         |
| <input type="checkbox"/> Electric/Water/Telecom.     | <input type="checkbox"/> Application               | <input type="checkbox"/> Petition                          | <input type="checkbox"/> Resale Amendment         |
| <input type="checkbox"/> Electric/Water/Sewer        | <input type="checkbox"/> Brief                     | <input type="checkbox"/> Petition for Reconsideration      | <input type="checkbox"/> Reservation Letter       |
| <input type="checkbox"/> Gas                         | <input type="checkbox"/> Certificate               | <input type="checkbox"/> Petition for Rulemaking           | <input type="checkbox"/> Response                 |
| <input type="checkbox"/> Railroad                    | <input type="checkbox"/> Comments                  | <input type="checkbox"/> Petition for Rule to Show Cause   | <input type="checkbox"/> Response to Discovery    |
| <input type="checkbox"/> Sewer                       | <input type="checkbox"/> Complaint                 | <input type="checkbox"/> Petition to Intervene             | <input type="checkbox"/> Return to Petition       |
| <input type="checkbox"/> Telecommunications          | <input type="checkbox"/> Consent Order             | <input type="checkbox"/> Petition to Intervene Out of Time | <input type="checkbox"/> Stipulation              |
| <input type="checkbox"/> Transportation              | <input type="checkbox"/> Discovery                 | <input type="checkbox"/> Prefiled Testimony                | <input type="checkbox"/> Subpoena                 |
| <input type="checkbox"/> Water                       | <input type="checkbox"/> Exhibit                   | <input type="checkbox"/> Promotion                         | <input type="checkbox"/> Tariff                   |
| <input type="checkbox"/> Water/Sewer                 | <input type="checkbox"/> Expedited Consideration   | <input type="checkbox"/> Proposed Order                    | <input type="checkbox"/> Other:                   |
| <input type="checkbox"/> Administrative Matter       | <input type="checkbox"/> Interconnection Agreement | <input type="checkbox"/> Protest                           |   |
| <input type="checkbox"/> Other:                      | <input type="checkbox"/> Interconnection Amendment | <input type="checkbox"/> Publisher's Affidavit             |   |
|  | <input type="checkbox"/> Late-Filed Exhibit        | <input checked="" type="checkbox"/> Report                 |   |



DUKE ENERGY CAROLINAS, LLC  
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August 14, 2008

Mr. Phillip Riley  
The Public Service Commission of South Carolina  
P. O. Drawer 11649  
Columbia, South Carolina 29211

Re: Docket No. 1989-9-E

Dear Mr. Riley:

Pursuant to the Commission's Orders in the above captioned docket, enclosed for filing are three copies each of the following for Duke Energy Carolinas, LLC ("the Company"):

1. Monthly Fuel Cost Report for the month of June 2008 (Exhibit A).
2. Base Load Power Plant Performance Report (Exhibit B).

Should you have any questions regarding this matter, please call me.

Sincerely,

Catherine E. Heigel

pa

Enclosures

cc: Office of Regulatory Staff  
Dan Arnett, Chief of Staff  
John Flitter  
Lessie Hammonds

South Carolina Energy Users Committee  
Scott Elliott, Esquire

Exhibit A  
Schedule 1

DUKE ENERGY CAROLINAS  
SOUTH CAROLINA FILING  
SUMMARY OF MONTHLY FUEL REPORT

	June 2008
Fuel Expenses:	
1 Fuel and purchased power expenses included in fuel component .....	\$ 223,846,780
2 Less fuel expenses (in line 1) recovered through inter-system sales (a).....	9,365,748
3 Total fuel expenses (line 1 minus line 2).....	<u>\$ 214,481,032</u>
MWH sales:	
4 Total system sales.....	7,288,783
5 Less inter-system sales .....	95,268
6 Total sales less inter-system sales.....	<u>7,193,515</u>
7 Total fuel expenses (in cents per KWH) (line 3/line 6).....	<u>2.9816</u>
8 Current fuel component (in cents per KWH) .....	<u>1.8005</u>
Generation Mix (MWH):	
Fossil (by primary fuel type):	
9 Coal.....	4,339,613
10 Oil.....	2,046
11 Gas.....	206,641
12 Total fossil.....	<u>4,548,300</u>
13 Nuclear (b).....	<u>4,405,043</u>
Hydro:	
14 Conventional.....	43,375
15 Pumped storage.....	(104,136)
16 Total hydro.....	<u>(60,761)</u>
17 Total MWH generation.....	8,892,582
18 Less: Catawba joint owners' retained portion .....	<u>1,111,910</u>
19 Adjusted total MWH generation.....	<u>7,780,672</u>
(a) Line 2 includes:	
Fuel from Intersystem Sales (Schedule 3)	9,227,096
Fuel in Loss Compensation	138,652
Total fuel recovered from Intersystem Sales	<u>9,365,748</u>
(b) Includes 100% of Catawba generation.	

DUKE ENERGY CAROLINAS  
SOUTH CAROLINA FILING  
DETAILS OF FUEL AND PURCHASED POWER EXPENSES

	<u>June 2008</u>
Fuel expenses included in Base fuel Component:	
Steam Generation - FERC Account 501	
501.11 Coal Consumed - Fossil Steam.....	\$ 127,725,318
501.222 Test Fuel Consumed.....	-
501.14 Coal Light-Off.....	-
501.26 Natural Gas Light-off - Fossil.....	-
501.31 Oil Consumed - Fossil Steam.....	594,803
501.33 Oil Light-Off - Fossil.....	872,964
Total Steam Generation - Account 501.....	<u>129,193,085</u>
Environmental Costs	
509.00 Emission Allowance Expense.....	201,172
Reagents.....	3,486,133
NOx Sales.....	-
Total Environmental Costs.....	<u>3,687,305</u>
Nuclear Generation - FERC Account 518	
518.10 Burnup of Owned Fuel.....	12,185,741
518.60 Nuclear Fuel Disposal Cost.....	3,262,083
Total Nuclear Generation - Account 518.....	<u>15,447,824</u>
Other Generation - FERC Account 547	
547.10 Natural Gas.....	41,752,209
547.20 Oil.....	303,046
Total Other Generation - Account 547.....	<u>42,055,255</u>
Total fossil and nuclear fuel expenses included in Base Fuel Component.....	190,383,469
Fuel component of purchased and interchange power per Schedule 3, page 1 of 2.....	<u>33,463,311</u>
Total fuel expenses included in Base Fuel Component.....	<u>\$ 223,846,780</u>

DUKE ENERGY CAROLINAS  
SOUTH CAROLINA FILING  
DETAILS OF FUEL AND PURCHASED POWER EXPENSES

June 2008

Other fuel expenses not included in Base  
Fuel Component:

518.61 Spent Fuel Canisters-Accrual..... 181,487

518.62 Canister Design Expense..... -

Non-fuel component of purchased and  
interchanged power..... 24,324,914

Total other fuel expenses not included in  
Base Fuel Component..... \$ 24,506,401

Total FERC Account 501 - Total Steam Generation..... 129,193,085

Total Environmental Costs..... 3,687,305

Total FERC Account 518 - Total Nuclear Generation.... 15,629,311

Total FERC Account 547 - Other Generation..... 42,055,255

Total Purchased and Interchanged Power Expenses..... 57,788,225

Total Fuel and Purchased Power Expenses..... \$ 248,353,181

DUKE ENERGY CAROLINAS  
PURCHASED POWER AND INTERCHANGE  
SOUTH CAROLINA  
JUNE 2008

Schedule 3  
Page 1 of 2

Purchased Power Marketers, Utilities, Other	Total \$	Capacity		Non-Capacity		
		MW	\$	MWH	Fuel \$	Non-Fuel \$
American Electric Power Serv Corp.	343,568	-	-	4,002	199,269	144,299
Blue Ridge Electric Membership Corp.	2,859,633	90	1,277,912	50,475	917,398	664,323
Calpine Power Services Marketing	187,324	-	-	3,500	108,648	78,676
Cargill Power Marketers LLC	1,278,635	-	-	15,320	741,608	537,027
Cobb Electric Membership Corp.	1,402,149	-	-	12,990	613,246	589,903
Columbia Energy	13,025,309	520	1,673,213	100,507	6,584,216	4,767,880
ConocoPhillips Company	561,775	-	-	5,874	325,830	235,945
Constellation	683,704	-	-	8,358	396,548	287,156
Fortis Energy Marketing and Trading GP	20,120	-	-	196	11,670	8,450
Lehman Bros	87,087	-	-	609	50,510	36,577
LGE/KU	7,902	-	-	156	4,583	3,319
Merrill Lynch Commodities, Inc.	223,855	-	-	2,133	129,836	94,019
MISO	(1)	-	-	-	-	(1)
Morgan Stanley Capital Group	568,683	-	-	9,273	329,838	238,845
NCEMC load following	779	-	-	78	311	468
NCMPA #1	1,732,586	-	-	25,633	691,475	1,041,111
Piedmont Electric Membership Corp.	1,482,168	47	567,355	24,748	530,592	384,221
PJM Interconnection LLC	14,907,929	-	-	223,052	8,648,596	6,261,331
Progress Energy Carolinas	82,125	-	-	1,175	47,633	34,492
Progress Energy Carolinas-Emergency	94,440	-	-	200	54,775	39,665
Rutherford Electric Membership Corp.	1	-	-	-	-	1
Saluda River	262	-	-	-	109	153
SC Electric & Gas	191,145	-	-	1,659	113,063	78,082
SC Public Service Authority (Santee Cooper)	(8,362)	-	-	(188)	(4,850)	(3,512)
Southern	3,229,455	-	-	23,250	1,873,084	1,356,371
SFPCO - Rowan	9,525,424	456	1,359,984	52,774	7,757,168	408,272
Tenaska Power Services Company	24,606	-	-	177	14,271	10,335
The Energy Authority	3,649,136	-	-	55,651	2,116,499	1,532,637
TVA	59,000	-	-	500	34,220	24,780
Westar Energy, Inc.	513,514	-	-	5,736	297,838	215,676
Generation Imbalance	58,956	-	-	4,201	46,254	12,702
Energy Imbalance	161,819	-	-	2,737	93,655	67,964
<b>TOTAL</b>	<b>\$ 56,954,726</b>	<b>1,113</b>	<b>\$ 4,878,464</b>	<b>634,776</b>	<b>\$ 32,926,095</b>	<b>\$ 19,150,167</b>

Purchased Power Cogen, Purpa, Small Power Producers	Total \$	Capacity		Non-Capacity		
		MW	\$	MWH	Fuel \$	Non-Fuel \$
Advantage Investment Group, LLC	787	-	-	10	-	787
Aquenergy Corp.	18,655	-	-	355	-	18,655
Barbara Ann Evans	(8)	-	-	-	-	(8)
Byron P Matthews	8	-	-	-	-	8
Catawba County	44,042	-	-	1,265	-	44,042
Cherokee County	2,472,635	-	900,249	24,092	1,584,503	(12,117)
Cliffside Mills LLC	1,922	-	-	39	-	1,922
Converse Energy	5,937	-	-	123	-	5,937
Dale Earnhardt Inc.	235	-	-	5	-	235
Dave K Birkhead	6	-	-	-	-	6
David A Ringenbun	27	-	-	1	-	27
David E. Shi	19	-	-	1	-	19
David M. Thomas	19	-	-	-	-	19
David Wiener	9	-	-	-	-	9
Decision Support	250	-	-	5	-	250
Delta Products Corp.	207	-	-	4	-	207
Frances L. Thomson	25	-	-	1	-	25
Freightliner Corp.	(6)	-	-	-	-	(6)
Gwenyth T Reid	21	-	-	1	-	21
Haneline Power, LLC	2,728	-	-	55	-	2,728
Hardins Resources Company	(8)	-	-	-	-	(8)
Haw River Hydro Co	11,380	-	-	368	-	11,380
Hendrik J Rodenburg	17	-	-	-	-	17
HMS Holdings Limited Partnership	182	-	-	4	-	182
Holzworth Holdings	7	-	-	-	-	7
Jafasa Farms	81	-	-	2	-	81
James B Sherman	15	-	-	-	-	15
John H. Diiberti	67	-	-	2	-	67
Linda Alexander	12	-	-	-	-	12
Mark A Powers	4	-	-	-	-	4
Mayo Hydro	28,812	-	-	712	-	28,812
Megawatt Solar Inc	(8)	-	-	-	-	(8)
Mill Shoals Hydro	5,511	-	-	118	-	5,511
Northbrook Carolina Hydro	49,491	-	-	765	-	49,491
Pacific HOA	22	-	-	1	-	22
Pacolet River	(6)	-	-	-	-	(6)
Paul G. Keller	1	-	-	-	-	1
Peizer Hydro Co.	35,781	-	-	747	-	35,781
Pickins Mill Hydro LLC	3,234	-	-	51	-	3,234
Pippin Home Designs, Inc	6	-	-	-	-	6
PRS-PK Engines, LLC	140	-	-	3	-	140
Rousch & Yates Racing Engines, LLC	433	-	-	9	-	433
Salem Energy Systems	107,031	-	-	2,436	-	107,031
Shawn Slome	3	-	-	-	-	3
South Yadkin Power	2,471	-	-	46	-	2,471
Spray Cotton Mills	7,539	-	-	190	-	7,539
Steve Mason Ent., Inc.	463	-	-	11	-	463
Steven Graf	31	-	-	1	-	31
Town of Chapel Hill	22	-	-	1	-	22
Town of Lake Lure	(589)	-	-	92	-	(589)
Energy Imbalance	(72,315)	-	-	-	(71,635)	(680)
<b>TOTAL</b>	<b>\$ 2,727,348</b>	<b>-</b>	<b>\$ 900,249</b>	<b>31,516</b>	<b>\$ 1,512,868</b>	<b>\$ 314,231</b>

<b>TOTAL PURCHASED POWER</b>	<b>\$ 59,682,074</b>	<b>1,113</b>	<b>\$ 5,778,713</b>	<b>666,292</b>	<b>\$ 34,438,963</b>	<b>\$ 19,464,398</b>
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<b>INTERCHANGES IN</b>						
Other Catawba Joint Owners	4,492,969	-	-	468,271	2,199,633	2,293,336
<b>Total Interchanges In</b>	<b>4,492,969</b>	<b>-</b>	<b>-</b>	<b>468,271</b>	<b>2,199,633</b>	<b>2,293,336</b>
<b>INTERCHANGES OUT</b>						
Other Catawba Joint Owners	(6,253,083)	(938)	(140,730)	(647,050)	(3,038,545)	(3,073,808)
Catawba- Net Negative Generation	(133,735)	-	-	(8,233)	(136,740)	3,005
<b>Total Interchanges Out</b>	<b>(6,386,818)</b>	<b>(938)</b>	<b>(140,730)</b>	<b>(655,283)</b>	<b>(3,175,285)</b>	<b>(3,070,803)</b>
<b>Net Purchases and Interchange</b>						
Power before PCL	57,788,225	175	5,637,983	479,280	33,463,311	18,686,931
<b>Purchased Capacity Levelization</b>	<b>(2,473,265)</b>	<b>-</b>	<b>(2,473,265)</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Net Purchases and Interchange</b>						
Power after PCL	55,314,960	175	3,164,718	479,280	33,463,311	18,686,931

DUKE ENERGY CAROLINAS  
INTERSYSTEM SALES\*  
SOUTH CAROLINA FUEL FILING  
JUNE 2008

Schedule 3  
Page 2 of 2

SALES	TOTAL CHARGES	CAPACITY		ENERGY		
		MW	\$	MWH	FUEL \$	NON-FUEL \$
<b>Utilities:</b>						
SC Public Service Authority - Emergency	\$ 69,160	-	\$ -	919	\$ 37,025	\$ 32,135
<b>Market Based:</b>						
American Electric Power Services Corp.	49,550	-	-	650	27,205	22,345
Cargill-Alliant, LLC	142,145	-	-	1,519	61,503	80,642
Cobb Electric Membership Corp	832,177	-	-	8,775	389,432	442,745
ConocoPhillips Company	24,700	-	-	190	-	24,700
Constellation Power Sources	234,810	-	-	2,199	148,639	86,171
Fortis Energy Marketing	76,845	-	-	701	28,954	47,891
Merrill Lynch Commodities, Inc.	76,730	-	-	653	61,281	15,449
Morgan Stanley	22,260	-	-	105	13,948	8,312
Morgan Stanley - Rockingham	173,250	165	173,250	-	-	-
NCEMC (Instantaneous)	2,519,052	50	295,833	17,019	1,703,410	519,809
NCMPA #1	635,730	50	200,000	3,068	324,806	110,924
NCMPA #1 - Rockingham	1,983,358	50	112,500	12,750	2,867,461	(996,603)
Oglethorpe	176,110	-	-	2,382	91,241	84,869
PJM Interconnection LLC	2,048,772	-	-	20,053	1,123,606	925,166
Power South Coop	431,375	-	-	4,650	183,988	247,387
Progress Energy Carolinas	143,150	-	-	1,215	58,019	85,131
SC Electric & Gas Market based	288,010	-	-	1,200	434,657	(146,647)
Southern	98,400	-	-	1,000	44,662	53,738
Tenaska Power Services Company	11,400	-	-	95	6,503	4,897
The Energy Authority	1,327,623	-	-	10,215	1,334,077	(6,454)
TVA	508,080	-	-	4,786	271,918	236,162
Westar Energy, Inc.	-	-	-	-	3,507	(3,507)
<b>Other:</b>						
Generation Imbalance	(91,358)	-	-	1,124	11,254	(102,612)
BPM Transmission	(193,450)	-	-	-	-	(193,450)
	<u>\$ 11,587,879</u>	<u>315</u>	<u>\$ 781,583</u>	<u>95,268</u>	<u>\$ 9,227,096</u>	<u>\$ 1,579,200</u>

\* Sales for resale other than native load priority.

NOTE(S): Detail amounts may not add to totals shown due to rounding.

	( Actual )	( Actual )	( Actual )	( Actual )	( Actual )	( Actual )	( Actual )	( Actual )	( Actual )	( Estimate )	( Estimate )	
	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
1 South Carolina sales (MWH)	1,750,923	1,668,270	1,708,122	1,854,160	1,838,977	1,667,287	1,631,941	1,623,541	1,897,043	2,067,447	2,187,506	2,090,087
2 Fuel costs (Cents per KWH)	1.7368	1.8051	1.3819	1.7997	1.3559	1.6356	1.7152	1.9737	2.9816	1.9656	1.8901	1.7143
3 Fuel base (Cents per KWH)	1.7994	1.7986	1.8004	1.8025	1.8012	1.8005	1.7988	1.7986	1.8005	1.7727	1.7725	1.7723
4 Fuel cost incurred	\$30,410,031	\$30,113,942	\$23,604,538	\$33,369,318	\$24,934,689	\$27,270,146	\$27,991,052	\$32,043,829	\$56,562,234	\$40,637,729	\$41,346,044	\$35,830,360
5 Fuel cost billed	\$31,506,108	\$30,005,504	\$30,753,028	\$33,421,234	\$33,123,654	\$30,019,502	\$29,355,355	\$29,201,008	\$34,156,259	\$36,649,624	\$38,773,538	\$37,042,611
6 Over (Under) recovery (Line 5 - line 4 x constant tax factor of 1.0044)	\$1,100,900	(\$108,915)	\$7,179,942	\$52,145	\$8,224,996	\$2,761,453	\$1,370,306	(\$2,855,329)	(\$22,504,561)	(\$4,005,653)	(\$2,583,825)	\$1,217,585
7 Over (Under) recovery -- prior balance	(\$24,443,707)	(\$23,451,270)	(\$24,160,461)	(\$17,455,380)	(\$18,145,211)	(\$9,924,867)	(\$7,266,912)	(\$6,344,660)	(\$9,459,825)	(\$35,195,050)	(\$39,200,703)	(\$41,784,528)
8 Prior month correction/adjustment	(\$108,463)	(\$600,276)	(\$474,861)	(\$741,976)	(\$4,652)	(\$103,498)	(\$448,054)	(\$259,836)	(\$3,230,664)			
Cumulative over (under)	(\$23,451,270)	(\$24,160,461)	(\$17,455,380)	(\$18,145,211)	(\$9,924,867)	(\$7,266,912)	(\$6,344,660)	(\$9,459,825)	(\$35,195,050)	(\$39,200,703)	(\$41,784,528)	(\$40,566,943)



DUKE ENERGY CAROLINAS  
FUEL COST REPORT  
June 2008

LINE DESCRIPTION	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1. Station	Belews Creek	Marshall	Allen	Riverbend	Cliffside	Dan River	Buck	Lee	Buzzard Roost	Lincoln	Mill Creek	Rockingham	Oconee	McGuire	Catawba	Total Current Month
Cost of Fuel Purchased(\$)																
2. Coal	30,153,822	20,772,825	16,854,613	11,648,466	8,844,335	6,553,811	5,406,000	9,223,802	-	-	-	-	-	-	-	109,457,674
3. Oil (B)	387,961	520,314	-	-	124,711	-	209,943	-	-	-	-	-	-	-	-	1,242,929
4. Gas	-	-	-	62,621	-	51,739	18,602	1,631,729	94,740	20,993,842	4,668,601	14,230,335	-	-	-	41,752,209
5. Total	30,541,783	21,293,139	16,854,613	11,711,087	8,969,046	6,605,550	5,634,545	10,855,531	94,740	20,993,842	4,668,601	14,230,335	-	-	-	152,452,812
Average Cost of Fuel as Purchased (CENTS/MBTU)																
6. Coal	323.60	296.35	316.16	368.22	344.07	361.93	294.14	381.74	-	-	-	-	-	-	-	327.15
7. Oil (B)	INF.	INF.	-	-	INF.	-	INF.	-	-	-	-	-	-	-	-	INF.
8. Gas	-	-	-	1,048.75	-	1,026.36	1,035.75	1,111.02	1,215.55	INF.	1,204.88	1,194.29	-	-	-	1,753.02
9. Weighted Average	327.30	303.11	316.16	369.50	348.36	363.77	305.08	423.53	1,215.55	INF.	1,204.88	1,194.29	-	-	-	424.90
Cost of Fuel Burned(\$)																
10. Coal (E)	39,292,010	31,587,594	18,927,167	9,848,238	13,511,611	4,972,140	5,495,833	4,290,725	-	-	-	-	-	-	-	127,725,318
11. Oil (B)	586,983	519,483	8,825	52,973	102,843	87,651	98,624	43,181	-	260,777	9,473	-	-	-	-	1,770,813
12. Gas	-	-	-	62,621	-	51,739	18,602	1,631,729	94,740	20,993,842	4,668,601	14,230,335	-	-	-	41,752,209
13. Nuclear (C)(F)	-	-	-	-	-	-	-	-	-	-	-	-	8,222,426	6,651,223	4,593,401	19,467,050
14. Total (C)(E)(F)	39,878,993	32,107,077	18,935,992	9,763,832	13,614,454	5,111,530	5,613,059	5,965,635	94,740	21,254,619	4,678,074	14,230,335	8,222,426	6,651,223	4,593,401	190,715,390
15. Less: other Catawba joint owner's share	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,019,225
16. Adjusted total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	574,176
Average Cost of Fuel Burned (CENTS/MBTU)																
17. Coal	307.51	268.70	300.06	336.36	313.62	327.10	296.12	344.18	-	-	-	-	-	-	-	299.54
18. Oil (B)	INF.	INF.	INF.	INF.	INF.	INF.	1,973.65	1,907.29	-	1,154.19	897.06	-	-	-	-	INF.
19. Gas	-	-	-	1,048.75	-	1,026.36	1,035.75	1,111.02	1,215.55	INF.	1,204.88	1,194.29	-	-	-	1,753.02
20. Nuclear	-	-	-	-	-	-	-	-	-	-	-	-	44.27	42.47	42.30	43.17
21. Weighted Average	311.55	272.66	300.18	339.41	315.74	334.20	301.33	427.41	1,215.55	INF.	1,204.05	1,194.29	44.27	42.47	42.30	211.43
Average Cost of Fuel Burned (CENTS/KWH Generated)																
22. Coal	2.90	2.50	3.07	3.64	3.12	3.59	3.45	3.91	-	-	-	-	-	-	-	2.94
23. Oil (B)	INF.	INF.	INF.	INF.	INF.	INF.	INF.	24.53	-	14.60	11.28	-	-	-	-	INF.
24. Gas	-	-	-	INF.	-	30.61	INF.	11.02	31.48	41.81	15.15	12.92	-	-	-	20.21
25. Nuclear	-	-	-	-	-	-	-	-	-	-	-	-	0.45	0.44	0.44	0.44
26. Weighted Average	2.95	2.54	3.07	3.69	3.14	3.68	3.53	4.78	31.48	40.88	15.13	12.92	0.45	0.44	0.44	2.13
MBTU's Burned																
27. Coal	12,777,494	11,755,570	6,307,778	2,868,409	4,308,275	1,520,062	1,855,959	1,246,649	-	-	-	-	-	-	-	42,640,196
28. Oil (B)	22,790	19,949	345	2,306	3,649	4,365	4,997	2,264	-	22,594	1,056	-	-	-	-	84,315
29. Gas	-	-	-	5,971	-	5,041	1,796	146,867	7,794	635,251	387,473	1,191,533	-	-	-	2,381,726
30. Nuclear	-	-	-	-	-	-	-	-	-	-	-	-	18,573,440	15,662,237	10,858,717	45,094,394
31. Total	12,800,284	11,775,519	6,308,123	2,876,686	4,311,924	1,529,468	1,862,752	1,395,780	7,794	657,845	388,529	1,191,533	18,573,440	15,662,237	10,858,717	90,200,631
32. Less: other Catawba joint owner's share	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,501,377
33. Adjusted total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,357,340
Net Generation (MWH)																
34. Coal	1,353,540	1,262,853	617,263	264,815	433,487	138,690	159,127	109,838	-	-	-	-	-	-	-	4,339,613
35. Oil (B)	-	-	-	-	-	-	-	176	-	1,786	84	-	-	-	-	2,046
36. Gas	-	-	-	73	-	169	79	14,801	301	50,209	30,826	110,183	-	-	-	206,641
37. Nuclear	-	-	-	-	-	-	-	-	-	-	-	-	1,829,340	1,521,020	1,054,683	4,405,043
38. Total	1,353,540	1,262,853	617,263	264,888	433,487	138,859	159,206	124,815	301	51,995	30,910	110,183	1,829,340	1,521,020	1,054,683	8,953,343
39. Less: other Catawba joint owner's share	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	922,848
40. Adjusted total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	131,835

NOTE(S): Detail amounts may not add to totals shown due to rounding.

(A) Includes 100% of Catawba generation.

(B) Fuel oil costs at nuclear plants are excluded because it is not being used for energy production.

(C) Cost of fuel burned excludes \$181,487 associated with canister accrual for the month.

(D) CENTS/KWH not computed when net generation is negative.

(E) Cost of Fuel Burned excludes \$201,172 associated with emission allowance expense for the month.

(F) Cost of Fuel Burned excludes \$0 associated with canister design expense for the month.

(G) Twelve months ended includes aerial survey adjustments made to coal inventory in Dec07, which are reflected in cost of coal consumed and tons of coal consumed (Lines 10,17,22)

DUKE ENERGY CAROLINAS  
FOSSIL FUEL CONSUMPTION AND INVENTORY REPORT  
June 2008

Line No.	Description	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	Location	Bellevue Creek	Marshall	Allen	Riverbend	Cliffside	Dan River	Buck	Lee	Buzzard Roost	Lincoln	Mill Creek	Rockingham	Oconee	McGuire	Catawba	Month Total
Coal Data:																	
2	Tons received during period	378,856	281,650	231,157	128,750	103,384	74,589	76,456	98,244	-	-	-	-	-	-	-	1,373,086
3	Inventory adjustments	2,288	(2,653)	(1,680)	(73)	300	(306)	886	291	-	-	-	-	-	-	-	(947)
4	Tons burned during period	523,684	471,527	268,890	117,432	176,761	62,582	77,417	50,844	-	-	-	-	-	-	-	1,749,137
5	MBTU's burned per ton	24.40	24.93	23.46	24.43	24.37	24.29	23.97	24.52	-	-	-	-	-	-	-	24.38
Tons coal on hand:																	
6	Beginning balance	842,526	662,826	363,693	155,150	366,352	91,033	140,399	98,461	-	-	-	-	-	-	-	2,720,440
7	Ending balance	699,986	470,296	324,280	166,395	293,275	102,734	140,324	146,152	-	-	-	-	-	-	-	2,343,442
8	Cost of ending inventory (\$ per ton)	74.78	67.36	70.75	82.20	76.37	79.68	70.54	84.23	-	-	-	-	-	-	-	74.01
Oil Data:																	
9	Gallons received during period	96,588	111,631	-	-	30,098	-	51,984	-	-	-	-	-	-	-	-	290,301
10	Miscellaneous usage, transfers and adjustments	(11,523)	(23,232)	(1,714)	(4,401)	(4,358)	(3,093)	(3,198)	(2,790)	-	-	-	-	-	-	-	(54,309)
11	Gallons burned during period	165,815	144,301	2,507	16,658	26,335	31,416	35,994	16,195	-	162,986	7,578	-	-	-	-	609,785
Gallons oil on hand:																	
12	Beginning balance	238,000	304,891	97,985	305,758	65,523	364,906	568,624	572,411	1,536,309	9,499,763	3,967,291	2,712,033	-	-	-	20,233,494
13	Ending balance	157,250	248,989	93,764	284,699	64,928	330,397	581,416	553,426	1,536,309	9,336,777	3,959,713	2,712,033	-	-	-	19,859,701
14	Cost of ending inventory (\$ per gallon)	3.54	3.60	3.52	3.18	3.53	2.79	2.74	2.63	0.79	1.60	1.25	2.34	-	-	-	1.73
Gas Data:																	
15	MCF received during period	-	-	-	5,789	-	4,899	1,742	142,589	7,641	617,348	376,187	1,145,705	-	-	-	2,301,900
16	MCF burned during period	-	-	-	5,789	-	4,899	1,742	142,589	7,641	617,348	376,187	1,145,705	-	-	-	2,301,900
MCF gas on hand: (*)																	
17	Beginning balance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	Ending balance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	Cost of ending inventory (\$ per MCF)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE(S): Detail amounts may not add to totals shown due to rounding.

(\*) Gas is burned as received; therefore, inventory balances are not maintained.

(A) Twelve months ended includes aerial survey adjustments made to coal inventory in Dec07, which are reflected in cost of coal consumed and tons of coal consumed (Lines 4,5,7,8)

(B) Fuel oil costs at nuclear plants are excluded because it is not being used for energy production.

**SCHEDULE 7**

**DUKE ENERGY CAROLINAS  
ANALYSIS OF COAL PURCHASES  
JUNE 2008**

<b>STATION</b>	<b>TYPE</b>	<b>QUANTITY OF TONS DELIVERED</b>	<b>DELIVERED COST</b>	<b>DELIVERED COST PER TON</b>
<b>ALLEN</b>	SPOT	32,856	\$ 3,076,449.43	\$ 93.63
	CONTRACT	198,300	12,595,830.79	63.52
	ADJUSTMENTS	-	1,182,332.90	-
	TOTAL	231,157	16,854,613.12	72.91
<b>BELEWS CREEK</b>	SPOT	55,351	6,328,418.49	114.33
	CONTRACT	323,505	21,456,537.40	66.33
	ADJUSTMENTS	-	2,368,866.06	-
	TOTAL	378,856	30,153,821.95	79.59
<b>BUCK</b>	SPOT	-	-	-
	CONTRACT	76,456	5,206,153.45	68.09
	ADJUSTMENTS	-	199,846.25	-
	TOTAL	76,456	5,405,999.70	70.71
<b>CLIFFSIDE</b>	SPOT	11,137	1,426,807.34	128.11
	CONTRACT	92,247	6,446,833.04	69.89
	ADJUSTMENTS	-	970,694.93	-
	TOTAL	103,384	8,844,335.31	85.55
<b>DAN RIVER</b>	SPOT	19,803	2,132,616.15	107.69
	CONTRACT	54,786	4,003,501.34	73.07
	ADJUSTMENTS	-	417,693.52	-
	TOTAL	74,589	6,553,811.01	87.87
<b>LEE</b>	SPOT	44,823	4,429,951.07	98.83
	CONTRACT	53,421	3,791,560.94	70.98
	ADJUSTMENTS	-	1,002,290.31	-
	TOTAL	98,244	9,223,802.32	93.89
<b>MARSHALL</b>	SPOT	1,487	75,106.07	50.53
	CONTRACT	280,164	16,823,655.12	60.05
	ADJUSTMENTS	-	3,874,063.88	-
	TOTAL	281,650	20,772,825.07	73.75
<b>RIVERBEND</b>	SPOT	48,894	4,850,971.76	99.21
	CONTRACT	79,856	5,811,907.41	72.78
	ADJUSTMENTS	-	985,586.15	-
	TOTAL	128,750	11,648,465.32	90.47
<b>ALL PLANTS</b>	SPOT	214,351	22,320,320.31	104.13
	CONTRACT	1,158,735	76,135,979.49	65.71
	ADJUSTMENTS	-	11,001,374.00	-
	TOTAL	1,373,086	\$ 109,457,673.80	\$ 79.72

<b>SCHEDULE 8</b>
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**Duke Energy Carolinas  
Analysis of Quality of Coal Received  
June 2008**

<b>Station</b>	<b><u>Percent Moisture</u></b>	<b><u>Percent Ash</u></b>	<b><u>Heat Value</u></b>	<b><u>Percent Sulfur</u></b>
Allen	6.08	16.65	11,531	0.92
Belews Creek	6.44	11.37	12,298	0.95
Buck	6.10	13.04	12,019	0.68
Cliffside	5.96	10.87	12,432	0.86
Dan River	6.96	11.41	12,138	0.72
Lee	5.44	12.24	12,297	0.94
Marshall	6.58	10.82	12,444	1.45
Riverbend	6.27	11.36	12,285	0.99

## Schedule 9

Duke Energy Carolinas  
Analysis of Cost of Oil Purchases  
June 2008

Station	Belews Creek		Buck		Cliffside 1-4		Cliffside 1-4		Cliffside 5		Marshall	
Vendor	HighTowers		HighTowers		HighTowers		McCraw Oil		HighTowers		HighTowers	
Spot / Contract	Contract		Contract		Contract		Contract		Contract		Contract	
Sulfur Content %	0.01		0.06		0.00		0.00		0.01		0.04	
Gallons Received	96,588		51,984		22,441		-		7,657		111,631	
Total Delivered Cost	\$	387,961.33	\$	209,943.04	\$	87,232.30	\$	7,596.80	\$	29,881.66	\$	520,314.07
Delivered Cost/Gal	\$	4.0167	\$	4.0386	\$	3.8872		n/a	\$	3.9025	\$	4.6610
Delivered Cost/MBTU	\$	29.2234	\$	29.0920	\$	28.0303		n/a	\$	28.3977	\$	33.7154
BTU/Gallon	137,447		138,822		138,678		138,678		137,424		138,246	

DUKE ENERGY CAROLINAS  
POWER PLANT PERFORMANCE DATA  
TWELVE MONTHS SUMMARY

July,2007 - June,2008

<u>Plant Name</u>	<u>Generation MWH</u>	<u>Capacity Rating MW</u>	<u>Capacity Factor %</u>	<u>Net Equivalent Availability %</u>
Oconee	20,237,421	2,538	90.78	88.97
McGuire	18,570,503	2,200	96.10	92.80
Catawba	17,160,505	2,258	86.52	84.40

**Duke Energy Carolinas**  
**Power Plant Performance Data**  
**Twelve Month Summary**  
**July 2007 through June 2008**

**Fossil Coal Units**

<b>Unit Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Capacity Factor (%)</b>	<b>Equivalent Availability (%)</b>
Belews Creek 1	6,301,788	1,135	63.38	67.35
Belews Creek 2	7,994,172	1,135	80.40	86.37

**Duke Energy Carolinas**  
**Power Plant Performance Data**  
**Twelve Month Summary**  
**July 2007 through June 2008**  
**Fossil Coal Units**

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Cliffside 5	3,849,534	562	78.19	85.85
Marshall 1	2,598,862	383	77.48	84.41
Marshall 2	2,146,271	383	63.98	70.92
Marshall 3	4,929,474	665	84.62	89.28
Marshall 4	4,730,078	666	81.10	85.41



**Duke Energy Carolinas  
Power Plant Performance Data**

Schedule 10

Page 4 of 6

**Twelve Month Summary  
July 2007through June 2008**

**Other Cycling Coal Units**

<b>Unit Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Capacity Factor (%)</b>	<b>Operating Availability (%)</b>
Allen 1	1,062,645	165	73.52	95.14
Allen 2	1,055,940	165	73.06	95.77
Allen 3	1,671,560	265	72.01	87.68
Allen 4	1,688,415	280	68.84	84.12
Allen 5	1,775,448	270	75.07	89.34
Buck 3	232,725	75	35.42	82.31
Buck 4	136,121	38	40.89	82.04
Buck 5	634,095	128	56.55	71.75
Buck 6	732,558	128	65.33	85.03
Cliffside 1	91,367	38	27.45	70.38
Cliffside 2	104,487	38	31.39	75.60
Cliffside 3	236,254	61	44.21	92.00
Cliffside 4	242,437	61	45.37	88.80
Dan River 1	274,396	67	46.75	85.70
Dan River 2	307,703	67	52.43	87.22
Dan River 3	679,162	142	54.60	75.81
Lee 1	402,877	100	45.99	79.68
Lee 2	508,317	100	58.03	91.24
Lee 3	843,527	170	56.64	81.61
Riverbend 4	539,988	94	65.58	92.64
Riverbend 5	482,872	94	58.64	86.07
Riverbend 6	753,722	133	64.69	90.68
Riverbend 7	791,577	133	67.94	92.09

**Duke Energy Carolinas**  
**Power Plant Performance Data**  
**Twelve Month Summary**  
**July,2007 through June,2008**  
**Fossil Combustion Turbines**

<b>Station Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Operating Availability (%)</b>
Buck CT	1,896	93	88.62
Buzzard Roost CT	402	196	94.20
Dan River CT	1,286	85	99.53
Lee CT	38,336	82	98.69
Lincoln CT	217,477	1,264	95.44
Mill Creek CT	198,656	592	96.04
Riverbend CT	100	120	90.71
Rockingham CT	406,950	825	94.10

Duke Energy Carolinas

Power Plant Performance

Schedule 10  
Page 6 of 6

12 Months Ended June 2008

Name of Plant	Generation (MWH)	Capacity Rating (MW)	Operating Availability (%)
Conventional Hydro Plants			
Bridgewater	22,498	23.000	97.53
Buzzard Roost	-	-	100.00
Cedar Creek	51,934	45.000	97.95
Cowans Ford	46,750	325.000	98.28
Dearborn	61,356	42.000	93.83
Fishing Creek	50,273	49.000	89.26
Gaston Shoals	9,483	4.600	74.15
Great Falls	46	24.000	51.30
Keowee	34,049	157.500	98.89
Lookout Shoals	41,261	27.000	99.21
Mountain Island	32,144	62.000	92.32
Ninety Nine Island	31,125	18.000	64.53
Oxford	47,778	40.000	97.28
Rhodhiss	29,378	30.500	99.28
Rocky Creek	-	28.000	36.27
Tuxedo	10,692	6.400	98.35
Wateree	74,752	85.000	88.36
Wylie	41,553	72.000	99.39
Nantahala	139,703	50.000	83.54
Queens Creek	1,750	1.440	95.58
Thorpe	54,806	19.700	94.24
Tuckasegee	4,809	2.500	94.22
Tennessee Creek	26,213	9.800	92.51
Bear Creek	18,602	9.450	99.26
Cedar Cliff	13,318	6.380	98.66
Mission	2,015	1.800	83.05
Franklin	(8)	1.040	79.09
Bryson	646	1.040	74.95
Dillsboro	-	0.230	50.00
Total Conventional	<u>846,926</u>		
Pumped Storage Plants			
Jocassee	1,116,169	730.000	92.35
Bad Creek	<u>2,730,119</u>	1,360.000	93.20
Total	<u>3,846,288</u>		
Less Energy for Pumping			
Jocassee	(1,412,530)		
Bad Creek	<u>(3,442,855)</u>		
Total	<u>(4,855,385)</u>		
Total Pumped Storage			
Jocassee	(296,361)		
Bad Creek	<u>(712,736)</u>		
Total	<u>(1,009,097)</u>		

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN

PERIOD: June, 2008

PLANT	UNIT	DATE OF OUTAGE	DURATION OF OUTAGE	SCHEDULED / UNSCHEDULED	CAUSE OF OUTAGE	REASON OUTAGE OCCURRED	REMEDIAL ACTION TAKEN
Oconee	1	05/31/2008-06/01/2008	0.03	UNSCHEDULED	OUTAGE DELAY OF 0.29 DAYS DUE TO MAIN STEAM STOP VALVE CLOSURE TIME TESTING DELAYED DUE TO TIMER FAILURE	TIMER RELAY CHATTERING AND BROKEN WIRE.	TIMER WAS REPLACED AND BROKEN WIRE REPAIRED.
		06/01/2008-06/01/2008	18.45	UNSCHEDULED	OUTAGE DELAY OF 0.77 DAYS DUE TO STEAM TO MOISTURE SEPARATOR REHEATERS NOT CONTROLLING PROPERLY	CONTROLLER 1MS173 SIGNAL NOT REACHING THE VALVE	CALIBRATION AND OPERATION OF VALVE VERIFIED.
		06/02/2008-06/02/2008	0.97	SCHEDULED	MAIN TURBINE OVERSPEED TRIP TEST	POST REFUEL TESTING	POST REFUEL TESTING
	2	None					
	3	None					
McGuire	1	06/26/2008-06/30/2008	82.00	UNSCHEDULED	1B REACTOR COOLANT SYSTEM PUMP TRIP	50G PROTECTIVE RELAY ACTUATION DUE TO A FAILED Z PHASE REACTOR COOLANT PUMP MOTOR SURGE CAPACITOR	FAILED MOTOR SURGE CAPACITOR WAS REPLACED
	2	None					
Catawba	1	05/03/2008-06/17/2008	389.00	SCHEDULED	END-OF-CYCLE 17 REFUELING OUTAGE	REFUEL AND MAINTENANCE	REFUEL AND MAINTENANCE
		06/17/2008-06/21/2008	91.32	UNSCHEDULED	OUTAGE DELAYED 3.81 DAYS DUE TO REACTOR HEAD CONOSEAL LEAK REPAIR	EXTRA SEAL CARRIER RING INSTALLED IN THE CONOSEAL	CONOSEAL REASSEMBLED
		06/21/2008-06/21/2008	2.25	SCHEDULED	MAIN TURBINE OVERSPEED TRIP TEST	POST REFUEL TESTING	POST REFUEL TESTING
	2	None					

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

Exhibit B  
Page 2 of 16

June 2008

**Belews Creek Steam Station**

Unit	Duration of Outage	Type of Outage	Cause of Outage	Reason Outage Occurred	Remedial Action Taken
02	6/1/2008 2:27:00 AM To 6/1/2008 9:01:00 AM	Unsch	1420 OTHER FORCED DRAFT FAN PROBLEMS	2c fd trip,501 relay	

Unit	Duration of Outage	Type of Outage	Cause of Outage	Reason Outage Occurred	Remedial Action Taken
02	6/25/2008 2:23:00 PM To 6/29/2008 7:45:00 AM	Unsch	3340 LP HEATER TUBE LEAKS	condenser tube leak	

Unit	Duration of Outage	Type of Outage	Cause of Outage	Reason Outage Occurred	Remedial Action Taken
01	6/26/2008 3:02:00 AM To 6/27/2008 2:22:00 PM	Unsch	1040 FIRST SUPERHEATER LEAKS	boiler tube leak,primary section	

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
June, 2008  
Oconee Nuclear Station

	UNIT 1		UNIT 2		UNIT 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	720		720		720	
(C1) Net Gen (MWH) and Capacity Factor	578828	95.03	623299	102.33	627213	102.97
(D1) Net MWH Not Gen Due To Full Scheduled Outages	821	0.13	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	20797	3.41	0	0.00	201	0.03
(E1) Net MWH Not Gen Due To Full Forced Outages	15634	2.57	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-6960	-1.14	-14179	-2.33	-18294	-3.00
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	609120	100.00 %	609120	100.00 %	609120	100.00 %
(I) Equivalent Availability		93.82		100.00		99.96
(J) Output Factor		97.67		102.33		102.97
(K) Heat Rate		10,296		10,122		10,052

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
June, 2008  
McGuire Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	720		720	
(C1) Net Gen (MWH) and Capacity Factor	700289	88.42	820731	103.63
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	0	0.00	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	90200	11.39	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	1511	0.19	-28731	-3.63
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	792000	100.00 %	792000	100.00 %
(I) Equivalent Availability		86.77		100.00
(J) Output Factor		99.78		103.63
(K) Heat Rate		10,408		10,203

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
June, 2008  
Catawba Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	720		720	
(C1) Net Gen (MWH) and Capacity Factor	230023	28.30	824660	101.45
(D1) Net MWH Not Gen Due To Full Scheduled Outages	441721	54.34	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	36290	4.47	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	103100	12.68	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	1746	0.21	-11780	-1.45
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	812880	100.00 %	812880	100.00 %
(I) Equivalent Availability		29.16		100.00
(J) Output Factor		85.81		101.45
(K) Heat Rate		10,848		10,142

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses



**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

Exhibit B  
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June 2008

**Belews Creek Steam Station**

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,135	1,135
(B) Period Hrs	720	720
(C1) Net Generation (mWh)	707,928	645,612
(C1) Capacity Factor	86.63	79.00
(D1) Net mWh Not Generated due to Full Scheduled Outages	0	0
(D1) Scheduled Outages: percent of Period Hrs	0.00	0.00
(D2) Net mWh Not Generated due to Partial Scheduled Outages	0	0
(D2) Scheduled Derates: percent of Period Hrs	0.00	0.00
(E1) Net mWh Not Generated due to Full Forced Outages	40,103	108,885
(E1) Forced Outages: percent of Period Hrs	4.91	13.32
(E2) Net mWh Not Generated due to Partial Forced Outages	28,738	5,764
(E2) Forced Derates: percent of Period Hrs	3.52	0.71
(F) Net mWh Not Generated due to Economic Dispatch	40,431	56,939
(F) Economic Dispatch: percent of Period Hrs	4.95	6.97
(G) Net mWh Possible in Period	817,200	817,200
(H) Equivalent Availability	91.58	85.97
(I) Output Factor (%)	91.10	91.15
(J) Heat Rate (BTU/NkWh)	9,487	9,424

\*Estimated

\*Footnote: (J) Includes Light Off BTU's

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

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**June 2008  
Marshall Steam Station**

	Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A) MDC (mWh)	380	380	658	660
(B) Period Hrs	720	720	720	720
(C1) Net Generation (mWh)	240,354	227,396	381,899	413,204
(D) Net mWh Possible in Period	273,600	273,600	473,760	475,200
(E) Equivalent Availability	96.57	91.60	89.16	93.29
(F) Output Factor (%)	87.85	86.89	90.00	92.02
(G) Capacity Factor	87.85	83.11	80.61	86.95

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

Exhibit B  
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**June 2008  
Cliffside Steam Station**

Cliffside 5

(A) MDC (mWh)	562
(B) Period Hrs	720
(C1) Net Generation (mWh)	373,308
(D) Net mWh Possible in Period	404,640
(E) Equivalent Availability	99.90
(F) Output Factor (%)	92.26
(G) Capacity Factor	92.26

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
July, 2007 - June, 2008  
Oconee Nuclear Station

	UNIT 1		UNIT 2		UNIT 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	8784		8784		8784	
(C1) Net Gen (MWH) and Capacity Factor	6211902	83.59	7549096	101.59	6476423	87.15
(D1) Net MWH Not Gen Due To Full Scheduled Outages	573563	7.72	0	0.00	996647	13.41
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	33169	0.45	709	0.01	43837	0.59
(E1) Net MWH Not Gen Due To Full Forced Outages	458075	6.16	42325	0.57	70489	0.95
* (E2) Net MWH Not Gen Due To Partial Forced Outages	154555	2.08	-160866	-2.17	-156132	-2.10
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	7431264	100.00 %	7431264	100.00 %	7431264	100.00 %
(I) Equivalent Availability		82.80		99.02		85.09
(J) Output Factor		97.07		102.17		101.76
(K) Heat Rate		10,239		10,096		10,095

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
July, 2007 - June, 2008  
McGuire Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	8784		8784	
(C1) Net Gen (MWH) and Capacity Factor	9887943	102.33	8682560	89.86
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	1128468	11.68
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	1240	0.02	39439	0.41
(E1) Net MWH Not Gen Due To Full Forced Outages	90200	0.93	117194	1.21
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-316983	-3.28	-305261	-3.16
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9662400	100.00 %	9662400	100.00 %
(I) Equivalent Availability		98.90		86.70
(J) Output Factor		103.30		103.16
(K) Heat Rate		10,217		10,198

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
July, 2007 - June, 2008  
Catawba Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	8784		8784	
(C1) Net Gen (MWH) and Capacity Factor	8762589	88.36	8397916	84.68
(D1) Net MWH Not Gen Due To Full Scheduled Outages	1221860	12.32	1671608	16.86
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	47007	0.47	29196	0.29
(E1) Net MWH Not Gen Due To Full Forced Outages	103100	1.04	18595	0.19
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-217420	-2.19	-200179	-2.02
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9917136	100.00 %	9917136	100.00 %
(I) Equivalent Availability		86.26		82.55
(J) Output Factor		101.98		102.08
(K) Heat Rate		10,053		10,042

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

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**July 2007 through June 2008**

**Belews Creek Steam Station**

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,135	1,135
(B) Period Hrs	8,784	8,784
(C1) Net Generation (mWh)	6,301,788	7,994,172
(C1) Capacity Factor	63.21	80.18
(D1) Net mWh Not Generated due to Full Scheduled Outages	2,878,530	780,768
(D1) Scheduled Outages: percent of Period Hrs	28.87	7.83
(D2) Net mWh Not Generated due to Partial Scheduled Outages	7,716	9,253
(D2) Scheduled Derates: percent of Period Hrs	0.08	0.03
(E1) Net mWh Not Generated due to Full Forced Outages	312,522	525,147
(E1) Forced Outages: percent of Period Hrs	3.13	5.27
(E2) Net mWh Not Generated due to Partial Forced Outages	56,486	44,175
(E2) Forced Derates: percent of Period Hrs	0.57	0.44
(F) Net mWh Not Generated due to Economic Dispatch	412,798	616,325
(F) Economic Dispatch: percent of Period Hrs	4.14	6.18
(G) Net mWh Possible in Period	9,969,840	9,969,840
(H) Equivalent Availability	67.35	86.37
(I) Output Factor (%)	92.96	93.11
(J) Heat Rate (BTU/NkWh)	9,244	9,062

\*Estimated

Footnote: (J) Includes Light Off BTU's

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

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**July 2007 through June 2008**

**Marshall Steam Station**

	Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A) MDC (mWh)	382	382	665	665
(B) Period Hrs	8,784	8,784	8,784	8,784
(C1) Net Generation (mWh)	2,598,862	2,146,271	4,929,474	4,730,078
(D) Net mWh Possible in Period	3,363,725	3,363,725	5,841,804	5,849,050
(E) Equivalent Availability	84.41	70.92	89.28	85.41
(F) Output Factor (%)	88.88	86.09	93.19	94.09
(G) Capacity Factor	77.48	63.98	84.62	81.10



**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

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**July 2007 through June 2008**

**Cliffside Steam Station**

Cliffside 5

(A) MDC (mWh)	562
(B) Period Hrs	8,784
(C1) Net Generation (mWh)	3,849,534
(D) Net mWh Possible in Period	4,936,608
(E) Equivalent Availability	85.85
(F) Output Factor (%)	89.67
(G) Capacity Factor	78.19

# DUKE ENERGY CAROLINAS

Outages for 100MW or Larger Units

June, 2008

Full Outage Hours					
	<u>Unit</u>	<u>MW</u>	<u>Scheduled</u>	<u>Unscheduled</u>	<u>Total</u>
Oconee	1	846	0.97	18.48	19.45
	2	846	0.00	0.00	0.00
	3	846	0.00	0.00	0.00
McGuire	1	1100	0.00	82.00	82.00
	2	1100	0.00	0.00	0.00
Catawba	1	1129	391.25	91.32	482.57
	2	1129	0.00	0.00	0.00

**Duke Energy Carolinas**  
**Outages for 100 mW or Larger Units**  
**June 2008**

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Unit Name	Capacity Rating (mW)	Full Outage Hours		Total Outage Hours
		Scheduled	Unscheduled	
Allen 1	165	0.00	0.00	0.00
Allen 2	165	0.00	0.00	0.00
Allen 3	265	0.00	0.00	0.00
Allen 4	280	0.00	0.00	0.00
Allen 5	270	0.00	0.00	0.00
Belews Creek 1	1,135	0.00	35.33	35.33
Belews Creek 2	1,135	0.00	95.93	95.93
Buck 5	128	41.47	0.00	41.47
Buck 6	128	80.30	0.00	80.30
Cliffside 5	562	0.00	0.00	0.00
Dan River 3	142	1.00	75.50	76.50
Lee 1	100	0.00	0.00	0.00
Lee 2	100	0.00	0.00	0.00
Lee 3	170	0.00	720.00	720.00
Marshall 1	380	0.00	0.00	0.00
Marshall 2	380	0.00	31.33	31.33
Marshall 3	658	0.00	75.10	75.10
Marshall 4	660	0.00	39.65	39.65
Riverbend 6	133	23.78	43.00	66.78
Riverbend 7	133	0.00	1.83	1.83
Rockingham CT1	165	0.00	9.33	9.33
Rockingham CT2	165	0.00	0.00	0.00
Rockingham CT3	165	0.00	0.00	0.00
Rockingham CT4	165	0.00	0.00	0.00
Rockingham CT5	165	61.75	15.18	76.93



For May 2008, Schedule 9 was revised to reflect the use of two vendors at Cliffside.

## **List of Revisions:**

(included with June 2008 Monthly Fuel Filing)

### **May08**

Revised, Schedule 9

(SC)

Duke Energy Carolinas  
Analysis of Cost of Oil Purchases  
May 2008

Station	Allen	Belews Creek	Buck	Cliffside 1-4	Cliffside 1-4	Cliffside 5	Lee	Marshall	Oconee	Riverbend	Catawba
Vendor	HighTowers	HighTowers	HighTowers	HighTowers	McCraw Oil	HighTowers	HighTowers	HighTowers	Carolina Petr	HighTowers	Carolina Petr
Spot / Contract	Contract	Contract	Contract	Contract	Contract	Contract	Contract	Contract	Contract	Contract	Contract
Sulfur Content %	0.01	0.02	0.06	0.02	0.02	0.01	0.02	0.03	0.05	0.06	0.05
Gallons Received	81,067	171,848	44,824	37,947	4,600	30,437	113,218	156,455	-	89,561	-
Total Delivered Cost	\$ 305,581.60	\$ 646,062.31	\$ 173,501.33	\$ 149,890.62	\$ 13,340.74	\$ 115,550.54	\$ 460,321.56	\$ 556,644.37	\$ (183.85)	\$ 355,938.30	\$ (1,513.57)
Delivered Cost/Gal	\$ 3.7695	\$ 3.7595	\$ 3.8707	\$ 3.9500	\$ 2.9002	\$ 3.7964	\$ 4.0658	\$ 3.5579	\$ -	\$ 3.9743	\$ -
Delivered Cost/MBTU	\$ 27.3443	\$ 27.3243	\$ 27.9642	\$ 28.5252	\$ 20.9437	\$ 27.7688	\$ 29.4344	\$ 26.0527	\$ -	\$ 28.5507	\$ -
BTU/Gallon	137,853	137,588	138,417	138,474	138,474	136,714	138,131	136,564	138,500	139,200	138,500

REVISED  
Schedule 9